

# Strong genetic component of fibromyalgia suggested

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(HealthDay)—A genome-wide linkage scan has identified the chromosome 17p11.2-q11.2 region as the susceptibility locus for fibromyalgia, according to research published in the April issue of *Arthritis & Rheumatism*.

Lesley M. Arnold, M.D., of the University of Cincinnati College of Medicine, and colleagues genotyped members from 116 families from the Fibromyalgia Family Study and performed a genome-wide linkage scan to identify susceptibility loci for fibromyalgia.

According to the researchers, based on a 2 percent population prevalence

of fibromyalgia, the sibling recurrence risk ratio for fibromyalgia was estimated to be 13.3. Model-free linkage analysis identified one major locus for fibromyalgia at the D17S2196 and D17S1294 markers on the chromosome 17p11.2-q11.2.

"In conclusion, we detected genome-wide suggestive linkage to the chromosome 17p11.2-q11.2 region in a cohort of multi-case families from the Fibromyalgia [Family](#) Study," the authors write. "Further comprehensive sequencing analyses of the 17p11.2-q11.2 chromosome region in multi-case families are warranted to identify potential causal genetic risk variants for [fibromyalgia](#)."

One author disclosed providing expert testimony for administrative law judges of the Office of Disability Adjudication and Review of the Social Security Administration.

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